

Converting Colors

CIELCh(84, 40.566, 253.538)

Have a look what the booklet for
CIELCh(84, 40.566, 253.538)
contains.

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Color

CIELCh(83, 32.474, 234.152)

Conversions

Conversions Part 1

Format	Color
Hex	7ADBFF
RGB	122, 219, 255
RGB Percent	48%, 86%, 100%
CMY	0.5206, 0.1403, 0.0000
CMYK	0.52, 0.14, 0.00, 0.00
HSL	196°, 100%, 74%
HSV	196°, 52%, 100%
XYZ	51.5312, 62.1629, 104.0758
YIQ	194.1010, -69.3680, -9.3680

Conversions

Conversions Part 2

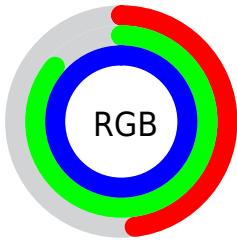
Format	Color
RYB	122, 178, 255
Decimal	8051711
CIELab	83.00, -19.02, -26.32
CIELCh	83, 32.474, 234.152
Yxy	62.1629, 0.2366, 0.2855
Android (android.graphics.Color)	4286241791 (0xFF7ADBFF)
YUV	194.1010, 30.0232, -63.2326
Hunter-Lab	78.8435, -21.3105, -23.0741

Details

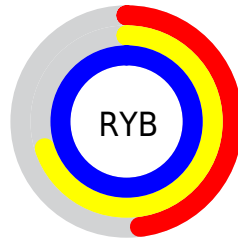
The CIELCh color **83, 32.474, 234.152** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 46.956, 46.149**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **63, 32.478, 233.817** is the 20% darker color. If you saturate the color by 10%, you get **80, 36.759, 236.344**, and if you desaturate by 10%, it is **86, 27.365, 232.074**.

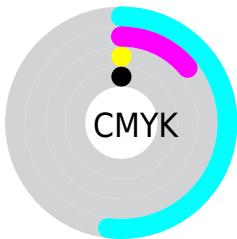
Distribution



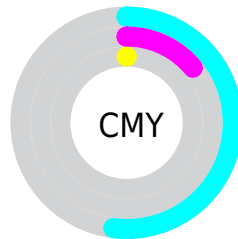
- Red (48%)
- Green (86%)
- Blue (100%)



- Red (48%)
- Yellow (70%)
- Blue (100%)



- Cyan (52%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (14%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 32.474, 234.152 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 32.474, 234.152 by changing the saturation by 10% instead.


 83, 32.474,
234.152


 83, 32.474,
234.152


 100, 32.474,
234.152


 73, 32.474,
234.152

 63, 32.474,
234.152

 53, 32.474,
234.152

 43, 32.474,
234.152

 33, 32.474,
234.152

 23, 32.474,
234.152

 13, 32.474,

234.152

■ 3, 32.474, 234.152

■ 0, 32.474, 234.152

■ 83, 32.474,
234.152

■ 83, 32.474,
234.152

■ 80, 36.759,
236.344

■ 86, 27.365,
232.074

■ 78, 40.346,
239.341

■ 89, 21.651,
230.613

■ 75, 43.231,
243.023

■ 92, 15.373,
229.489

■ 73, 45.551,
247.415

■ 96, 8.629, 228.649

■ 71, 47.184,

■ 99, 1.512, 228.323

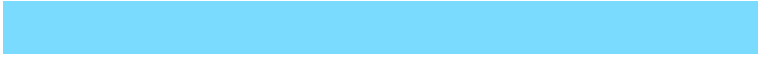
251.283

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



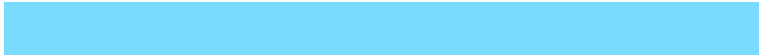
83, 32.474, 234.152



74, 46.956, 46.149

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 32.474, 234.152



83, 32.474, 284.152



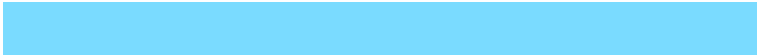
83, 32.474, 54.152



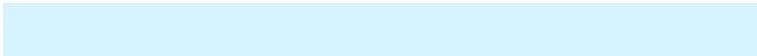
83, 32.474, 104.152

Sweetspot

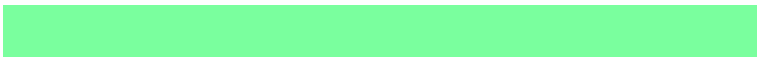
The Sweet Spot groups the original color and five complimentary colors.



83, 32.424, 233.954



94, 11.333, 228.947



91, 67.220, 147.984



50, 7.610, 229.120



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 32.424, 233.954



80, 36.733, 236.327



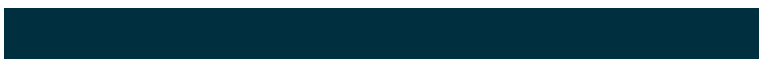
65, 56.646, 287.553



51, 4.091, 228.480



54, 37.765, 250.350



17, 16.737, 243.673

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70, 67.205, 337.029



65, 77.486, 337.970



90, 53.280, 91.821



50, 7.502, 333.687



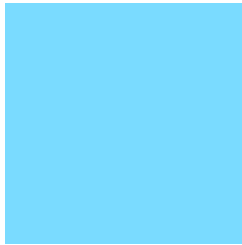
43, 75.821, 342.742



11, 35.677, 340.541

Previews

White Background



This preview shows how the CIE LCh color 83, 32.474, 234.152 looks on a white background.

Color Contrast Check

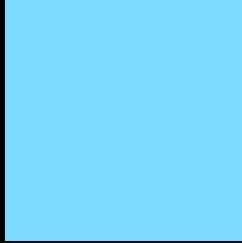
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 32.474, 234.152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 32.474, 234.152

Background



This preview shows how black text looks on a background with the CIELCh color 83, 32.474, 234.152.

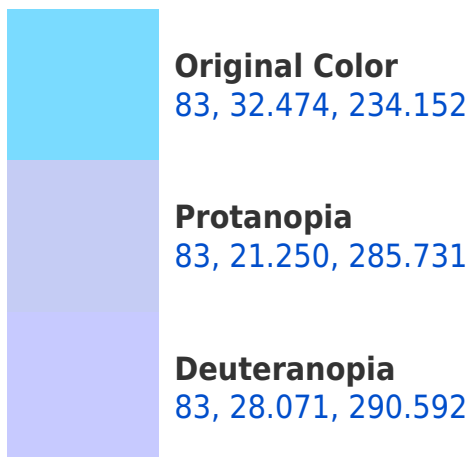


This preview shows how white text looks on a background with the CIELCh color 83, 32.474, 234.152.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
83, 31.428, 215.301

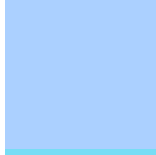
Trichromacy



Original Color
83, 32.474, 234.152



Protanomaly
83, 23.312, 259.041



Deuteranomaly
82, 26.983, 267.046

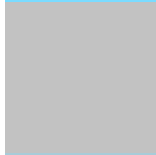


Tritanomaly
83, 31.350, 221.745

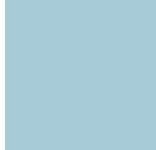
Monochromacy



Original Color
83, 32.474, 234.152



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 13.532, 229.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 32.474, 234.152 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(122, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 219, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(122, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 32.474, 234.152 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 219, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(122, 219, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(122, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 32.474, 234.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 219, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(122,  
219, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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